● PRINTER RUSH ●
(PTO ASSISTANCE)

Application : 09/990,868	**Examiner :** Azarian	**GAU :** 2625	
From: DP	**Location:** IDC FMF FDC	**Date:** 12/10/05	

Tracking #: EPM 09/990,868   Week Date: 6/20/2005

DOC CODE	DOC DATE	MISCELLANEOUS
☐ 1449	_____	☐ Continuing Data
☐ IDS	_____	☐ Foreign Priority
☐ CLM	_____	☐ Document Legibility
☐ IIFW	_____	☐ Fees
☐ SRFW	_____	☐ Other
☐ DRW	_____	
☐ OATH	_____	
☐ 312	_____	
☒ SPEC	11/21/2001	

[RUSH] MESSAGE: Specification: Page 5 Line # 20 [0018] Application No. missing for Attorney Docket # 042503/ 0259665. please Resolve.

Thank you.

[XRUSH] RESPONSE: Done

INITIALS:

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.

REV 10/04

[00016]   In some instances, the data obtained corresponds to locations where the scenes being monitored and stored do not change often. For example, a camera may be stationed outside a vault or door in a stairwell and record the scene, which is then received by the computer 100. It is only when, someone enters the vault or crosses a door in the stairwell that the image frame changes substantially (since even between sequential frames that record the same scene, changes in the data representing the frame will exist due to at least noise effects).

[00017]   For image frames corresponding to the scene that have been compressed, it is desirable to be able to further operate upon the compressed image frames, for example, to determine if an event has occurred in the image frames. For example, it is desirable to be able to detect that the image frames have changed due to a change in the field of view (e.g., someone crossing through the field of view) without having to decompress the images. The present invention provides a mechanism for detecting that a change has occurred in the field of view without having to decompress image frames and also provides several mechanisms for reacting to the detection of the change.

[00018]   Figure 2 illustrates compressed frames that have been produced by a camera that has had an object pass through its field of view. Camera 202 is pointed at doorway 206 in a stairwell and a computer (not shown) attached to camera 202 such as computers 120 of Figure 1 produces a sequence of digitized and compressed frames 208a-n, 210a-n, 212a-n, and 214a-n. Compression can be achieved using the techniques described in U.S. Patent Application ~~bearing~~ 09/999776 ~~atttorney reference 042503/0259665~~ entitled "Method And Apparatus For Determining Patterns Within Adjacent Blocks of Data" filed on October 31, 2001 and assigned to the assignee of the present application, and Appln. No. 09/727,096 entitled "Method And Apparatus For Encoding Information Using Multiple Passes And Decoding In A Single Pass" filed on November 29, 2000 and assigned to the assignee of the present application, both of which are expressly incorporated herein by reference. It is noted that when using these techniques, particularly for pattern recognition, that rotational and diagonal traversals of search blocks are typically not necessary, particularly when a camera is fixed in position.

[00019]   Whether the frames 208a-n, 210a-n, 212a-n, and 214a-n are operated upon in essentially real-time, stored and operated upon, compressed and then operated upon, compressed,

5